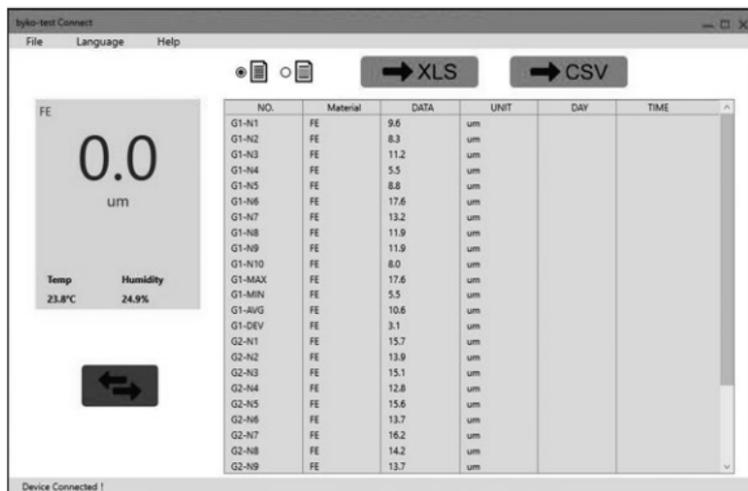


Measure what you see.

byko-test Connect Film Thickness Gage Software

ID	Material	DATA	UNIT	DAY	TIME
G1-N1	FE	9.6	um		
G1-N2	FE	8.3	um		
G1-N3	FE	11.2	um		
G1-N4	FE	5.5	um		
G1-N5	FE	8.8	um		
G1-N6	FE	17.6	um		
G1-N7	FE	13.2	um		
G1-N8	FE	11.9	um		
G1-N9	FE	11.0	um		
G1-N10	FE	8.0	um		
G1-MAK	FE	17.6	um		
G1-MIN	FE	5.5	um		
G1-WIG	FE	10.6	um		
G1-DEV	FE	3.1	um		
G2-N1	FE	15.7	um		
G2-N2	FE	13.9	um		

Manual



Film Thickness Gage Software

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Table of Contents

1 Safety Information	05
2 Preparations	06
3 System Description	07
4 Set Up	08
5 Operation	10
6 Troubleshooting & Technical Data	14

**CAUTION!**

Read Instruction Manual before using this instrument.

**WARNING!**

This manual cannot address all of the safety considerations associated with its use. It is the responsibility of the user to consult this manual and establish appropriate safety practices for use with this equipment and the individual material being tested.

**WARNING!**

The byko-test Film Thickness Gage is designed and intended for the use described in this manual. Using the Film Thickness Gage for other purposes for which it was not designed may reduce or eliminate the protection offered by the features of the instrument. Serious injury may result.

**WARNING!**

Ultimate disposal of this product should be handled according to all national laws and regulations.

Please note the following points:

- Familiarize yourself with the layout and operation of the controls.

2 Preparations

The byko-test Connect software is designed for PC's using Windows 7 and later. The software is distributed on a USB memory stick.

TO INSTALL:

1. Insert the USB memory stick in an available USB port. Allow a few moments for the PC to recognize and configure itself for the memory stick.
2. Use File Manager to navigate to and access the files on the disk.
3. Look for the file, byko-test_Setup.exe. Double click to launch the software. You will need Administrative privileges on your machine to install the software.
4. Follow the instructions on the screen to install the software.

The byko-test Connect software is a convenient tool to allow the user to download and view the data collected by a byko-test or byko-test Lite Film Thickness Gage.

The software has several features:

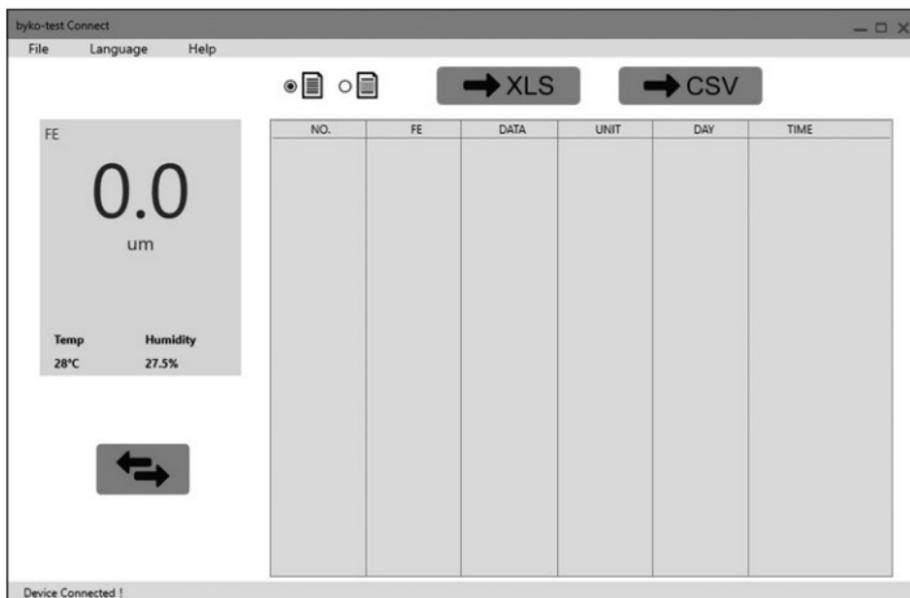
1. Easy connection to the instrument via USB.
2. Quick download of all the stored data in the instrument.
3. Transfer data to Excel xlsx format or csv format.
4. Select portions of data to save and transfer.
5. Delete stored data from instrument.
6. Gather new data directly to the screen in Tethered Mode.

4 Set Up

1. Launch byko-test Connect from the desktop icon.



2. Select the Language drop-down and select the preferred language from the list of available languages.
3. Power on the byko-test instrument by pushing the Menu/Power  button.
4. Connect the USB cable from an available USB port on the PC to the micro-USB port on the left side of the byko-test.
5. Confirm that the lower-left corner of the screen changes from Device Unconnected! to Device Connected!



Main window with instrument connected

6. Menu Selections

a. File

- i. **New:** Clears current data and sets screen for new data collection. Use when connecting multiple instruments or to easily separate samples.
- ii. **Data Save:** Saves current data in the mode selected by the Save All or Save Selected radio buttons.
- iii. **Exit:** Ends the byko-test Connect program.
Be sure to save any data before selecting Exit!

b. Language

- i. Select the preferred language from the list.

c. Help

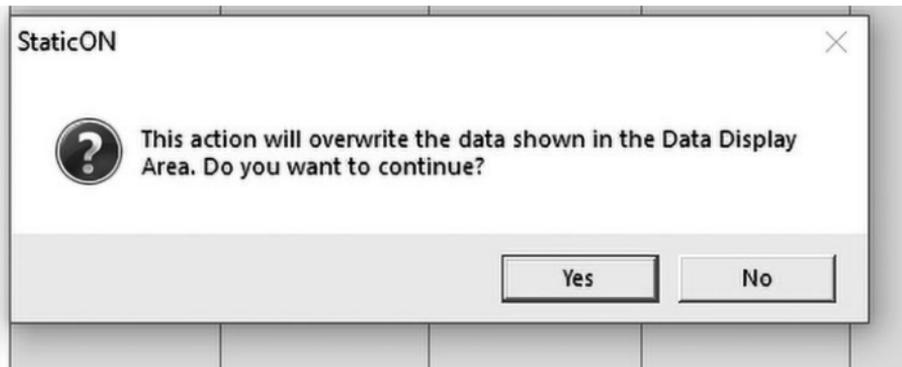
- i. **View Help:** Brings up the online help documentation.
- ii. **About:** Displays the version number and copyright information

5 Operation

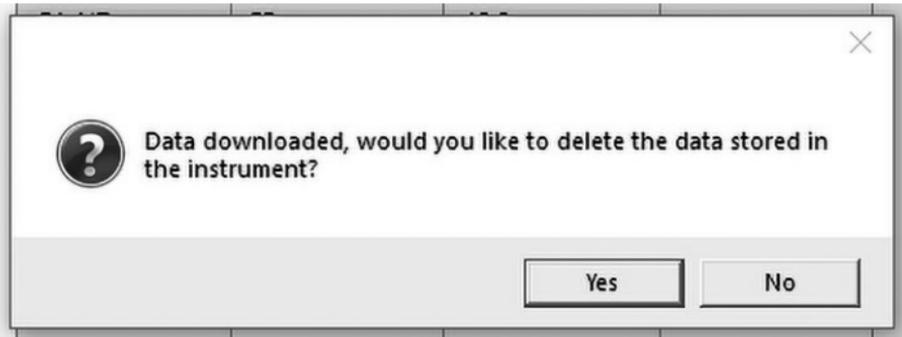
Once connected, there are several options of working with the instrument.

DOWNLOAD DATA

1. Click the blue Transfer  button.
2. A dialog box will inform that this will overwrite any data currently displayed on the screen. Click Yes to proceed.



3. A second dialog box will ask if you would like to delete the data from the instrument after you transfer it. If you would like to keep the data on the instrument, click no. Otherwise click Yes to delete the data and have the instrument ready for more readings.



4. The resulting display will look something like this.

The screenshot shows the 'byko-test Connect' application window. The title bar includes 'File', 'Language', and 'Help' menus. Below the menu bar are icons for file operations and two large buttons labeled 'XLS' and 'CSV'. The main area is split into two panes. The left pane displays 'FE' with a large '0.0' and 'um' below it. At the bottom of this pane, it shows 'Temp 23.8°C' and 'Humidity 24.9%'. A double-headed arrow icon is at the bottom of the left pane. The right pane contains a table with the following data:

NO.	Material	DATA	UNIT	DAY	TIME
G1-N1	FE	9.6	um		
G1-N2	FE	8.3	um		
G1-N3	FE	11.2	um		
G1-N4	FE	5.5	um		
G1-N5	FE	8.8	um		
G1-N6	FE	17.6	um		
G1-N7	FE	13.2	um		
G1-N8	FE	11.9	um		
G1-N9	FE	11.9	um		
G1-N10	FE	8.0	um		
G1-MAX	FE	17.6	um		
G1-MIN	FE	5.5	um		
G1-AVG	FE	10.6	um		
G1-DEV	FE	3.1	um		
G2-N1	FE	15.7	um		
G2-N2	FE	13.9	um		
G2-N3	FE	15.1	um		
G2-N4	FE	12.8	um		
G2-N5	FE	15.6	um		
G2-N6	FE	13.7	um		
G2-N7	FE	16.2	um		
G2-N8	FE	14.2	um		
G2-N9	FE	13.7	um		

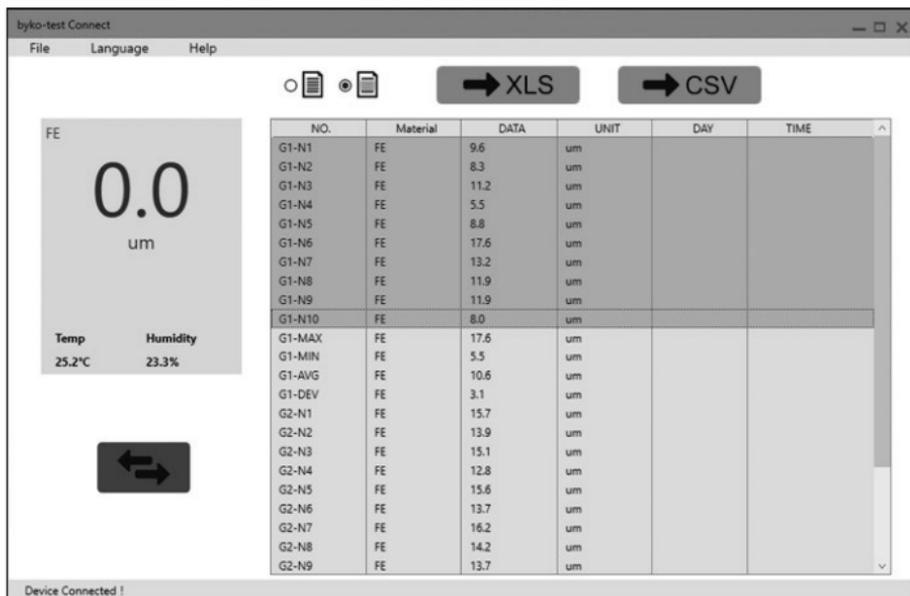
At the bottom left of the window, a status bar reads 'Device Connected!'.

Main window with instrument connected

- The data may now be reviewed by using the scroll bar on the right or saved. Note that if Statistics are turned on in the instrument, the statistics will be downloaded as shown in the example.
- To save the entire data set make sure the radio button next to the icon is selected. Then click the XLS button to save the data to an Excel XLSX file or the CSV button to save a comma delimited values file.

5 Operation

- To save a portion of the data set make sure the radio button next to the  icon is selected. Click and use Shift-click or Ctrl-click to select the data you wish to save. Then click the XLS button to save the data to an Excel XLSX file or the CSV button to save a comma delimited values file.



NO.	Material	DATA	UNIT	DAY	TIME
G1-N1	FE	9.6	um		
G1-N2	FE	8.3	um		
G1-N3	FE	11.2	um		
G1-N4	FE	5.5	um		
G1-N5	FE	8.8	um		
G1-N6	FE	17.6	um		
G1-N7	FE	13.2	um		
G1-N8	FE	11.9	um		
G1-N9	FE	11.9	um		
G1-N10	FE	8.0	um		
G1-MAX	FE	17.6	um		
G1-MIN	FE	5.5	um		
G1-AVG	FE	10.6	um		
G1-DEV	FE	3.1	um		
G2-N1	FE	15.7	um		
G2-N2	FE	13.9	um		
G2-N3	FE	15.1	um		
G2-N4	FE	12.8	um		
G2-N5	FE	15.6	um		
G2-N6	FE	13.7	um		
G2-N7	FE	16.2	um		
G2-N8	FE	14.2	um		
G2-N9	FE	13.7	um		

Main window with G1-N1 through G1-N10 selected to save

- Click the green Clear Data button  to delete the data shown on the display.
- With the clear screen the software is ready to operate in Tethered Mode.
- To use Tethered mode, simply take a measurement with the USB cable attached.

11. Each reading is displayed in the blue instrument screen area as shown at right. Additionally, each reading with the date and time will be logged in the list area.



12. The group and reading numbers are formatted as set in the Statistics section of the instrument. However, the statistics themselves are not shown.
13. If Statistics are set to Off in the instrument, the group number will be G1 and each reading will be assigned a sequential number. e.g. G1-N2, G1-N2...G1-N100.

byko-test Connect

File Language Help

☰ ☱ ➔ XLS ➔ CSV

FE
18.8
um
G1-N7
Temp 73.6°F Dew point 39.2°F

NO.	Material	DATA	UNIT	DAY	TIME
G1-N1	FE	21.0	um	2/12/2019	08:59:38
G1-N2	FE	12.5	um	2/12/2019	08:59:39
G1-N3	FE	11.3	um	2/12/2019	08:59:40
G1-N4	FE	14.8	um	2/12/2019	08:59:42
G1-N5	FE	14.9	um	2/12/2019	08:59:43
G1-N6	FE	12.5	um	2/12/2019	08:59:44
G1-N7	FE	18.8	um	2/12/2019	08:59:45

Device Connected !

Main window in Tethered data mode

14. Once collected the data may be saved to an XLSX or CSV file by selecting the appropriate radio button and clicking the save button as described above.

6 Troubleshooting & Technical Data

If an error occurs, first try to reinstall the software as described above. It may be helpful to use Settings/Apps/Uninstall to first uninstall the previous installation. If you are still having trouble, please contact your local BYK-Gardner office for assistance.

SERVICE AND SPARE PARTS

For all service and spare parts requirements, please contact your local BYK-Gardner office.

COMPONENTS

Ordering Information

Part Number	Description
3798	byko-test Connect software

Recommended Accessories

Part Number	Description
3799	USB connection cable

TECHNICAL DATA

Operating Systems	Windows 7 thru 10
Compatibility	byko-test, byko-test Lite

All technical data is subject to change.

